

Title (en)  
METHOD AND APPARATUS FOR NETWORK SLICING

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM NETZWERK-SLICING

Title (fr)  
PROCÉDÉ ET APPAREIL DE SEGMENTATION DE RÉSEAU

Publication  
**EP 3501142 B1 20231115 (EN)**

Application  
**EP 17848163 A 20170908**

Priority

- US 201662385333 P 20160909
- US 201662408475 P 20161014
- US 201662417889 P 20161104
- US 201715698040 A 20170907
- CN 2017101043 W 20170908

Abstract (en)  
[origin: US2018077023A1] Aspects of the disclosure provide architectures, methods and systems that will allow reconfigurability of the network to suit the needs of various parties. Accordingly, some embodiments provide a controllable open operation environment. In such an environment, there can be a decoupling of various network aspects which would be conventionally be under the span of control of a service provider, allowing for each aspect to be provided by a different entity. For example, infrastructure can be provided separately from the provider of network services to subscribers and/or from the provider of slices and/or from the provider of NOS services. For example an infrastructure provider can provide infrastructure used by a slice provider to provide network slices to virtual network providers which provide services to end customers. Generally speaking, SONAC-Com is responsible for the composition of slices and manages resources at the slice level. SONAC-Op is responsible for the operation of slices. For example, SONAC-Com develops slices using the general infrastructure resource pools, while SONAC-Op manages the delivery of slice traffic packets over deployed slices.

IPC 8 full level  
**H04L 41/0806** (2022.01); **H04L 41/044** (2022.01); **H04L 41/0895** (2022.01); **H04L 41/0897** (2022.01); **H04L 41/122** (2022.01); **H04L 41/40** (2022.01); **H04L 41/5003** (2022.01); **H04L 43/0876** (2022.01); **H04W 84/04** (2009.01); **H04L 41/22** (2022.01)

CPC (source: EP US)  
**H04L 41/044** (2013.01 - EP US); **H04L 41/0803** (2013.01 - US); **H04L 41/0806** (2013.01 - EP US); **H04L 41/0895** (2022.05 - EP); **H04L 41/0896** (2013.01 - US); **H04L 41/0897** (2022.05 - EP); **H04L 41/12** (2013.01 - US); **H04L 41/122** (2022.05 - EP); **H04L 41/40** (2022.05 - EP); **H04L 41/50** (2013.01 - US); **H04L 41/5003** (2013.01 - EP US); **H04L 43/0876** (2013.01 - EP US); **H04L 63/0272** (2013.01 - US); **H04W 16/04** (2013.01 - US); **H04L 41/22** (2013.01 - EP US); **H04W 84/042** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 10411964 B2 20190910**; **US 2018077023 A1 20180315**; CN 109644143 A 20190416; CN 109644143 B 20210323; CN 109743893 A 20190510; CN 109743893 B 20201117; EP 3497884 A1 20190619; EP 3497884 A4 20190619; EP 3497884 B1 20221026; EP 3501142 A1 20190626; EP 3501142 A4 20190626; EP 3501142 B1 20231115; ES 2931224 T3 20221227; US 10880176 B2 20201229; US 2018077024 A1 20180315; WO 2018045990 A1 20180315; WO 2018046006 A1 20180315

DOCDB simple family (application)  
**US 201715698040 A 20170907**; CN 2017101043 W 20170908; CN 2017101246 W 20170911; CN 201780052544 A 20170911; CN 201780055089 A 20170908; EP 17848163 A 20170908; EP 17848179 A 20170911; ES 17848179 T 20170911; US 201715698078 A 20170907